

## National Library of Medicine: IGM Full Record Screen

Order  
DocumentsLog off  
IGMNext  
RecordDetails  
Of SearchReturn  
to ResultsReturn to  
Search ScreenPrevious  
Record

## Related Articles

**TITLE:** A "minimal epitope" anti-protein antibody that recognises a single modified amino acid.

**AUTHORS:** Hebbes TR; Turner CH; Thorne AW; Crane-Robinson C

**AUTHOR AFFILIATION:** Biophysics Laboratories, Portsmouth Polytechnic, U.K.

**SOURCE:** Mol Immunol 1989 Sep;26(9):865-73

**CITATION IDS:** PMID: 2481233 UI: 90097959

**ABSTRACT:** Antibodies that recognise proteins bind to epitopes of varying size, but a grouping of the order of six amino acids, contiguous or not, is regarded as a typical number. By using as immunogen a highly abundant and universal eukaryotic nuclear protein (histone H4) modified in a manner not typical of secreted proteins (acetylation of lysine side chains), antiserum has been raised in rabbits having the single amino acid epsilon-N-acetyl lysine as the recognition epitope. The affinity-purified antibody should be useful for studying the functional role of this modification. The methodology has potential for raising antibodies to other types of post-translationally modified proteins.

**MAIN MESH HEADINGS:** Epitopes/\*immunology  
Histones/\*immunology  
Lysine/\*analogs & derivatives

**ADDITIONAL MESH HEADINGS:** Animal  
Antibodies, Antinuclear/isolation & purification  
Antibody Formation  
Chromatin/immunology  
Chromatography, Affinity  
Electrophoresis, Polyacrylamide Gel  
Enzyme-Linked Immunosorbent Assay  
Immunoblotting  
Lysine/immunology  
Rabbits  
Support, Non-U.S. Gov't  
1989/09  
1989/01 00:00

**PUBLICATION TYPES:** JOURNAL ARTICLE